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Substitute for form 1449a

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

of

Application Number	10/658,513
Filing Date	09/09/2003
First Named Inventor	Wang
Art Unit	3722
Examiner Name	
Attorney Docket Number	58970.010500

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US-			
		US-			
EG		US- 465,392	12-15-1891	Shippe	
		US-			
EG		US- 1,069,930	08-12-1913	Down	
↓		US- 1,216,628	02-20-1917	Teasck	
		US- 1,384,733	07-12-1921	Woods	
		US- 2,230,645	02-04-41	Jones	
		US-			
EG		US- 3,452,625	07-01-1969	Russo	
↓		US- 2,778,252	01-22-1957	Oxford, Jr.	
		US- 3,564,947	02-23-1971	Maier	
		US- 3,592,555	07-13-1971	Mackey, Sr.	
		US- 3,779,664	12-18-1973	Caley et al.	
		US- 3,854,840	12-17-1974	Miyanaga	
		US- 4,116,580	08-26-1978	Hall et al.	
		US- 4,209,275	06-24-1980	Kim	
		US- 4,231,692	11-04-1980	Brabetz et al.	
		US- 4,330,229	05-18-1982	Croydon	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)			

Examiner  
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Date  
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10/20/2006

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Substitute for PTO 1-49/PTO

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EG		US- 4,400,119	08-23-1983	Clement	
EG		US- 4,411,563	10-25-1983	Moon	
EG		US- 4,561,813	12-31-1985	Schneider	
↓		US- 4,573,838	03-04-1986	Omi et al.	
		US- 4,671,710	06-09-1987	Araki	
		US- 4,687,388	08-18-1987	Yokota et al.	
		US- 4,688,972	08-25-1987	Kubota	
		US- 4,740,121	04-26-1988	Arnold	
		US- 4,878,788	11-07-1989	Wakihira et al.	
		US- 4,992,009	02-12-1991	Wallach	
		US- 5,011,342	04-30-1991	Hsu	
		US- 5,056,967	10-15-1991	Hageman	
		US- 5,088,863	02-18-1992	Imanaga et al.	
		US- 5,145,296	09-08-1992	Hougen	
	EG		US- 5,236,291	08-17-1993	Agapiou
↓		US- 5,273,380	12-28-1993	Musacchia	
		US- 5,380,133	01-10-1995	Schimmer	

## FOREIGN PATENT DOCUMENTS

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**Examiner  
Signature**

/Eric Gates/

Date \_\_\_\_\_

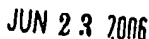
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Substitute for form 1041-10

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First Named Inventor	Wang
Art Unit	3722
Examiner Name	
Attorney Docket Number	58970.010500

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		Number-Kind Code <sup>2</sup> (if known)			
EG		US- 5,779,399	07-14-1998	Kuberski	
↓		US- 5,865,574	02-02-1999	Tukala	
		US- 5,876,202	03-02-1999	Berlin	
		US- 5,893,688	04-13-1999	Wiker et al.	
		US- 5,944,460	08-31-1999	Gill	
		US- 5,947,659	09-07-1999	Mays	
		US- 5,980,166	11-09-1999	Ogura	
		US			
EG		US- 6,012,882	01-11-2000	Turchan	
↓		US- 6,036,410	03-14-2000	Shun'ko	
		US- 6,056,486	05-02-2000	Colvin	
		US- 6,113,321	09-05-2000	Mulroy et al.	
		US- 6,126,367	10-03-2000	Reed	
		US			
EG		US- 6,231,281	05-15-2001	Nishikawa	
		US			
EG		US- 6,435,780	08-20-2002	Flynn	
↓		US- 6,443,674	09-03-2002	Jaconi	
		US- 6,450,272	09-17-2002	Hauptmann et al.	

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Substitute for [redacted] [redacted]

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Attorney Docket Number	58970.010500

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## U. S. PATENT DOCUMENTS

**FOREIGN PATENT DOCUMENTS**

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/Eric Gates/

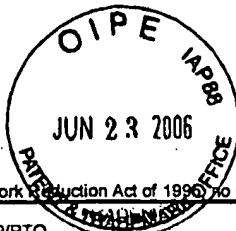
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PTO/SB/08B (07-05)

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

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Application Number	10/658,513
Filing Date	09/09/2003
First Named Inventor	Wang
Art Unit	3722
Examiner Name	Gates, Eric Andrew
Attorney Docket Number	58970.010500

Sheet

of

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
EG		A. Metal Cutting Tool Handbook, published by Industrial Press, Inc. at least as early as 1989, pp. 2, 62 – 64, 84 – 85, 168 – 169, 494 – 499.	
		B. Jiangsu Tiangong Tools Corporation Limited catalog, China, at least as early as 09/08/02.	
		C. Shenli Tools Co. Ltd. catalog, China, at least as early as 09/08/02.	
		D. A photo of a drill bit, illustrating a common single-flute construction (apart from the wire hole), on sale at least as early as 09/08/02.	
		E. A photo of a glass drill bit, illustrating a construction on sale at least as early as 09/08/02.	

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